assistance/subsidy provided under various non-conventional energy programmes during the last three years, i.e., 1998-99 to 2000-2001 in the State of Tamil Nadu, are given in the Statement.

**Statement**

*Details of various non-conventional energy systems/devices setup, total estimated investment and financial assistance/subsidy provided under various programmes in the State of Tamil Nadu during last three years i.e. 1998-99 to 2000-01*

| Sl. No. | Name of the Programmes | Systems/ devices installed during last 3years | Total estimated investment (Rs in Crore) | Financial Assistance Subsidy Provided by MNES during last 3 years Rs.in Crore) |
|---|---|---|---|---|
| 1 | Biogas Plants (Nos) | 4,962 | 4.22 | 1.86 |
| 2 | Community/Institutional/Night Soil Biogas Plants (Nos) | 12 | 0.24 | 0.18 |
| 3 | Improved Chulha (No. in Lakhs) | 2.14 | 2.25 | 1.05 |
| 4 | Energy from Urban & Industrial Waste (MW) | 0.06 | 1.57 | 0.95 |
| 5 | Small Hydro Power (MW) | 0.7 | 5.17 | 1.49 |
| 6 | Biomass Power/Generation (MW) | 10 | 35.00 | Nil |
| 7 | Biomass Gasifier (kW) | 1890 | 0.80 | 0.15 |
| 8 | Wind Power (MW) | 105.4 | 475.00 | Nil |
| 9 | SPV Water Pumps (Nos) | 185 | 4.63 | 2.10 |
| 10 | Solar Photovoltaic Programmes | 194 | 3.04 | 1.24 |
| | i) Solar Street Lighting Systems (Nos.) | 69 | | |
| | ii) Home Lighting Systems (Nos) | 5226 | | |
| | iii) Solar Lanterns (Nos) | 10 | | |
| | iv) Power Plants (kWp) | | | |
| 11 | Wind Pumps (Nos.) | 25 | 0.25 | 0.08 |
| 12 | Small Aerogenerators (Kw) | 16.5 | 0.50 | 0.25 |

MW=Megawatt, KW=Kilowatt, kWp+Kilowatt peak

**Generation of commercial power from wind energy**

3264. SHRI PARMESHWAR KUMAR AGARWALLA: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) the States who have started commercial power generation from wind energy;

(b) the details of units of power generated from those projects; and

(c) the action proposed to be taken to encourage setting up of similar wind power projects in other States?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI M. KANNAPPAN): (a) An aggregate wind power capacity of 1278 MW has been installed through commercial projects by private sector in seven States, namely, Andhra Pradesh, Gujarat, Karnataka, Madhya Pradesh, Maharashtra, Rajasthan and Tamil Nadu, as on 31st March, 2001.

(b) About 6,500 million units of energy have been generated from those projects.

(c) Under the Wind Resource Assessment Programme, 208 potential sites have been identified in 13 States and UTs. A Centre for Wind Energy Technology (C-WET) has been established in Chennai to provide technical support for wind power development. Fiscal and promotional incentives are also being provided, and soft loans are available for commercial projects from Indian Renewable Energy Development Agency (IREDA). In order to promote commercial development, the State Governments have been requested to announce conducive policies for grid connection and sale of electricity generated from wind power projects.

**Increasing demand for energy in A.P.**

3265. SHRI K.M. KHAN: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) whether the demand for Energy is constantly increasing in Andhra Pradesh;

(b) if so, what efforts are being made to promote alternative resources of Energy;

(c) whether any survey has been carried out to explore the potentiality of wind energy in the State;

(d) if so, the details of the outcome of the survey; and

(e) if not, the reasons therefor?